



# HE TECH



"I don't see wha de white people make such fun ob us colored people; one ob de greatest men in de Bible was named Nigger Demus."

VOLUME XVII.

NUMBER 13.

DECEMBER 30, 1897.



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# THE TECH

VOL. XVII.

BOSTON, DECEMBER 30, 1897.

NO. 13.

## THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

JOHN MAGEE, '99, *Editor in Chief*.  
MORGAN BARNEY, 1900, *Assistant Editor in Chief*.  
THOMAS EDDY TALLMADGE, '98, *Secretary*.  
CHARLES-EDWARD AMORY WINSLOW, '98.  
GERALD MARTIN RICHMOND, '99.  
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SULLIVAN WILLIAMS JONES, 1900.

W. R. STRICKLAND, '98, *Business Manager*.  
MAURICE DAVENPORT, 1900, { *Assistant Business Managers*.  
EDWARD B. COOKE, 1901, }

*For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.*

*Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.*

Subscription, \$2.50 per year, in advance. Single copies, 10 cts. each.

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HE indoor games brought to light a most gratifying strength of the Institute in field events. To all except those who have followed the daily practice of the men this is a great surprise. For example, Baxter and Putnam, both of whom will jump for us at Worcester next May, were but three quarters of an inch under the N. E. I. A. A. record, and the winter's training is sure to bring them up. In the shot-put also we were shown very able men in Schmidt and Kimball, who have, moreover, both done better in practice, and possibly in Copp, if he continues to improve in the rapid way he has begun. The pole-vault was less obviously encouraging, but the

record is sure to be better when the men are fresh, and especially does contesting in two events at the same time, although it often must be done, militate against the best work.

The 35-yard dash and hurdles can give but small indication of our strength in anything but the 100-yard dash of the outdoor events, but these are most favorable, and in Burch, Wentworth and Garret we have very strong men who should justify rather high expectations.

The outlook on the whole is very favorable for our success at Worcester, next May. The colleges, in general, through the N. E. I. A. A. are so nearly equal, as far as the inadequate information now at hand will indicate, that the meet will probably be won on less than thirty points. A proper interest on the part of the students at large, and judicious and faithful training on the part of the athletes, will give us at least a fighting chance, and with that we can trust our men to win out. At all events let us not lose any chance, either by participation or encouragement, to further this end.



FROM time to time we hear complaint of work added during the progress of the term, because of the advanced position of certain members of the class. Such complaint refers especially to work in the drawing rooms, or with a slightly different meaning to experiments in the various laboratories. In the latter case it is suddenly announced that certain experiments will be required by the end of the term, whereas the student has been previously led to believe, from catalogue and professor, that he would

have a longer time. In the case of such announcement, it is no secret that the professor has been led to his decision from the fact that particular members of the class, possibly the majority, have progressed more rapidly than expected, usually, as it happens, because of overtime spent upon the work. We cannot approve of such action on the part of a professor. Indeed, examining the question fairly, it seems totally unjust to every member of the class concerned. For if a student, by dint of extra time or sacrifice of pleasure, finishes a prescribed course of drawings or experiments, with the evident object of getting it out of the way as the busier examination period approaches, it is clearly unfair to discount his industry by a greater requirement, when, with a less expenditure of worry and effort, he could far more easily complete the work assigned. And to the other members, who plan to finish within the allotted time, but who are unable to give additional hours to the subject, it is equally unjust and an even greater burden. If the course, as prescribed, is too short or too easy for the time allotted, next year is properly the season to remedy it. But such is not usually the case. We have not yet had the dire misfortune to learn of a single case in which the student has complained of being idle. If, indeed, affairs should come to such a pass, we should personally pack our baggage and seek instruction elsewhere. No, thank Heaven, we have still some work to do! But, on the other hand, so long as the custom of requiring extra work when a specified amount is understood obtains, so long shall we continue to feel that honest effort is discountenanced and upright treatment of the student denied.

WE regret exceedingly our sad task of announcing the death of Thomas Hally Bissell, '98, who died of typhoid fever at his home in Buffalo on Monday, December 20th.

### Resolutions of Class of '97.

WHEREAS, It has pleased the Almighty God to remove from our midst our beloved classmate and leader, Henry Walter Allen, and

WHEREAS, We feel the irreparable loss to his family, his Class, and the Institute, and

WHEREAS, We realize the benefit which we have received from our personal contact with him, and appreciate his noble and conscientious work while amongst us, be it

*Resolved*, That we, the Class of '97, of the Massachusetts Institute of Technology, do hereby extend to his family our heartfelt sympathy in this their sorrow, and that a copy of these resolutions be sent to his family, spread upon the minutes of the Class, and published in THE TECH.

JOHN A. COLLINS, JR.,  
CHARLES W. BRADLEE,  
JOSEPH BANCROFT,

*For the Class.*

### Harry Walter Allen.

An address given before the Class of '97, by Mr. C. W. Bradlee.

Mr. Toastmaster and Fellow Classmates: A few days ago Mr. Bancroft wrote me a note asking me to say a few words on Harry Allen. He said that he wanted me to tell about his life, as I had known him longer than any other member of the class. It is true I did know him longer, and, perhaps, better than any of the rest of you, yet I do not think that I ever knew him while he lived. I never realized the extent and scope of his work so fully as when I came to review it in preparing to say a few words to you to-night. He was a hard man to get acquainted with, and I believe that if we could have fully realized his great purpose and energy, that we would have been bound to him by even closer ties than we were. Allen was born Oct. 5, 1875. He went, at an early age, to the Hyde Park Primary School, and from here entered the Hyde Park Grammar School, from which he graduated at the head of his class in the spring

of 1889. In the fall of 1890 he entered Chauncy Hall School here in Boston, and it was here that I first made his acquaintance. On entering the school he found the athletics in an almost hopeless condition, and at once set to work to reorganize the Athletic Association, and induced the school to enter, for the first time, the Interscholastic League. Before he had been in school three months he had been elected President of his class. Allen not only had great executive ability and tact in the management of affairs, but he was also enthusiastic over all out-door sports. No matter what he was doing he went into it with all his might. His great aim in life was to be someone, and to be at the head, but he was not at all selfish in his aim, as he was always willing to work, and work hard for what he got.

Let us return to his school life. In the fall of 1891 he again returned to Chauncy Hall, and during this year received the following honors: First Sergeancy in the battalion; took first gold medal for good scholarship; was made Secretary of his class, and Vice President of the Athletic Association. Returning again to school, in the fall of 1892, he prepared himself for the Institute, and was, besides Captain of the Prize Company, winner of one of two gold medals, given each year for proficiency in mathematics, winner of the gold medal presented each year to the one most proficient in English composition, and Secretary of the Athletic Association.

In the spring of '93 he graduated from Chauncy Hall, and took his entrance examinations for the Institute, which he passed without a condition. As to his work at the Institute, we all know with what efficiency it was accomplished, and what a high standing he had. As to the offices which he held, it seems as if they were almost too many to enumerate here, but still it is but just that we recall once more the extent of his work for his college and his class: 1893-94, President of his class, Chairman of Cane-rush Committee, Chief of Manda-

man Club, and Cadet Captain of Company C.; 1894-95, President of his class, member of "Technique" Electoral Committee, Vice President of the Athletic Association, and Chairman of Cane-rush Committee; 1895-96, Vice President M. I. T. A. C., Secretary and Treasurer of Varsity Football Association, referee of Cane Rush, and Chairman of Junior Promenade Committee; 1896-97, President Athletic Association, Secretary of N. E. Intercollegiate Athletic Association, toastmaster at Class Dinner, referee of Cane Rush, pallbearer at funeral of General Walker, member of Institute Committee, Treasurer of Class-day Committee, member of Athletic Advisory Committee; Colonel of First Regiment in Republican Parade, and Second Marshal of his class.

After having finished at the Institute, he decided to take a rest of a couple of weeks before starting in on his life work, as he had obtained a very promising position in Pittsburg, Pa., some weeks before graduation. About ten days after Class Day he was taken ill with erysipelas, and four or five days after typhoid fever symptoms showed themselves. For several days he seemed to hold his own, but on July 2d at about noon typhoid pneumonia set in and he grew rapidly weaker, dying at about five o'clock on July 2d.

Let us consider what the accomplishment of all his work shows. It shows, as I have before said, that he was ambitious; but it was not the ambition that seeks to win distinction through flattery and favoritism. It was the ambition to reap the fruits of honest and persevering work. Allen did not naturally learn things easily, nor did he make friends easily, and what he won he won through an untiring energy and a strong will. He knew no defeat, and though impeded in his projects for the moment, he again pushed on with renewed strength ready to face whatever might come in his way.

He died a premature death, it is true,—a death peculiarly sad, coming as it did just as he was about to apply the knowledge which

he had stored up and start out into the business world. But it was a beautiful death, coming at the completion of his college work, his duty to his class accomplished, and his memory fresh in the minds of all his loving classmates with whom he had worked side by side.

Could he speak to us now, I believe he would say to me, I believe he would say to you, "Take up the work which I have been obliged to lay down, and with a noble, honorable aim rush into life's fight. Do your work faithfully, well, and conscientiously, as it comes up day by day, so that when the day comes and you are called, you may be prepared to go."

But, fellow classmates, we should not mourn his loss, but rejoice that it was granted us to know him and enjoy his friendship for so long a time. We know that it is not length of life that counts, and after the first feeling of sorrow and loss is gone we can look back only with pleasant memories to the manly life which was here, it seemed, so short a time, and yet accomplished so much.

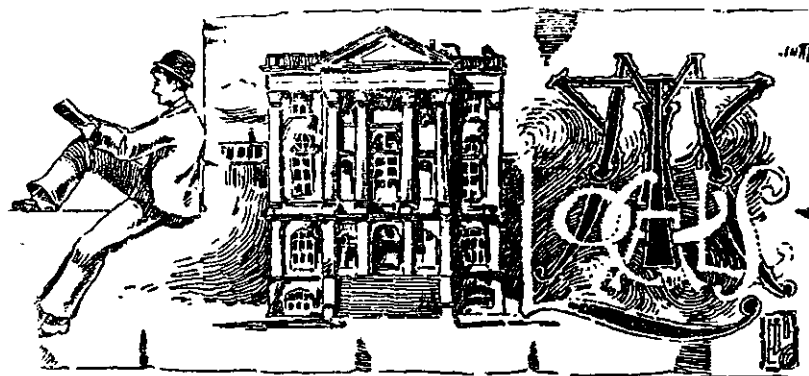
CHAS. W. BRADLEE.

#### History of the Walker Memorial.

PRESIDENT WALKER died on Jan. 5, 1897. The news reached the Institute about nine o'clock on that morning, and at 10 a mass meeting of the students was held in Huntington Hall, at which a committee was appointed to draw up resolutions expressing the feeling of the undergraduate body. At another mass meeting held on Thursday, January 7th, the students adopted the resolutions presented by the committee; and also resolved to wear crape mourning badges for thirty days. Then C.-E. A. Winslow, '98, moved that "a committee of three be appointed to make arrangements for a memorial to President Walker, with power to collect subscriptions for such a purpose," and also mentioned that a very successful cast had already been taken by

Wm. Ordway Partridge, from which a bust might be made. The motion was carried, and Messrs. Winslow, Hurd, and Washburn were appointed on the committee. During the mid-year vacation the committee chose Mr. Daniel C. French, a close personal friend of General Walker, to make a bust to be placed in Rogers Corridor.

From that time until the class day of '97, the work of collecting subscriptions was carried on throughout the undergraduate body, partly by means of section-collectors. Several societies gave sums, and the Class of '97, through the good management of its class day committee, was enabled to complete the amount of twelve hundred dollars necessary. By mutual consent the subscriptions came entirely from the men who were students at the Institute at the time of General Walker's death, and it is to them that the thanks of all Technology men, past, present, and future, are extended.



On account of the approaching Christmas vacation, L'Avenir held no meeting on Wednesday, December 22d.

During the recent vacation a number of Course II. men visited nearly all the railroad round-houses and shops in the city, armed with cameras and notebooks. They were accorded full liberty, and saw many things of interest and of value to them professionally.

The Tech. Mandolin Club was the recipient of an invitation to attend a very pretty "Chrysanthemum Party" in Watertown on Friday evening, December 17th. The club rendered a few selections during the intermission, and the members enjoyed themselves thoroughly.



The Ice Polo team will play Cambridge High and Latin.

The Gun Club will hold a prize shoot at Wellington, next Saturday.

Now is the time to subscribe to THE TECH for the second term; \$1.25 pays for it.

The Ice Polo team played Newtowne A. A. Saturday, and was beaten by a fluke. Score, 1-0.

The Hare and Hounds run Saturday will be from Clarendon Hills. Watch the bulletin boards for train announcements.

Course III. students in the Junior and Senior classes had the privileges of the Assaying Laboratories during the Christmas recess.

Next Thursday's TECH will contain a supplementary page, bearing a picture of the Walker Memorial, also a full account of the exercises Wednesday afternoon.

The judgment in the Third-year Architectural Designs was announced yesterday. They are as follows: First Mention, McCrea, Field; Second Mention, Watrous, Betts; Third Mention, Tacoff, Stearns.

At a meeting of the Executive Committee of the Senior Class, on Wednesday last, \$25 was appropriated for the supper to be served at the Club on New Year's Eve; \$10 was voted to send flowers to the funeral of Mr. T. H. Bissell.

The '98 Class-day Nominating Committee will be elected January 4th. The nominees of this committee will probably be voted on early in the second term. All members of the Class of '98 should be present at the Technology Club to-morrow evening to see the old year out.

The first regular meeting of the Mining Engineering Society was held Tuesday, December 21st, in Room 36, Rogers, President Hamilton in the chair. After transac-

tion of regular business, Professor Richards, gave an interesting talk on the "Applications of Chemistry to Mining and Metallurgy." Mr. C. E. Davis, '98, also read a very interesting memoir, which is to be completed at some meeting to be held during the second term.

#### A Debating Society at Technology.

ON Tuesday, December 21st, in Room 11, Rogers Building, was held the meeting which assured the formation of a debating society at the Institute. E. H. Hammond, '99, was chosen chairman. Professor Ripley spoke of the experiences of a former similar society. President Crafts then told the meaning of the words "debate" and "discuss," and therefrom drew a very good lesson applicable to all students alike. He said, in part, "I believe that the real use of a society of this kind is to learn the art of thinking through the art of talking. You will not know until you have tried how good an exercise talking in public is. It fixes the mind between what you know and do not know.

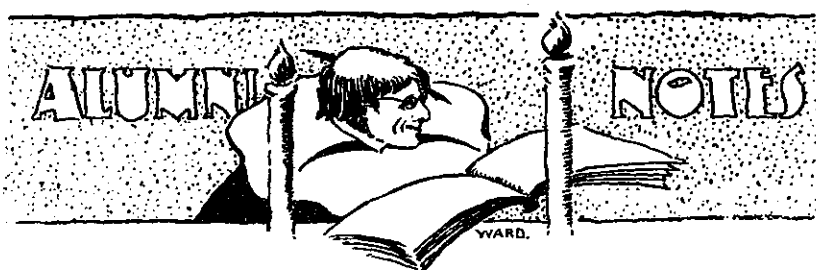
"Knowing things so that you can describe them clearly is the only way of knowing them well, and it is worth doing for one's own satisfaction, leaving out of sight the idea of the commercial advantages of being able to convince others of what you know." The President then mentioned an incident of a Tech. graduate having difficulty in the School of Architecture in Paris, not because of lack of knowledge, but of lack of power to express it as desired in France; and said that he had heard personally in Paris, at the School of Mines, recitations which had the merits of a short lecture; wherein the subject (perhaps simply a mathematical problem) was given with the elegance which comes from precision, and was arranged with an appreciation of proportion.

President Crafts also said, "Let me observe here that the precision of the kind I have spoken of in ordinary recitations will go very

far to help you on this road. If you will try I think you will be astonished by the slight difference in effort required to transform a slovenly recitation into a good one, and the value such an exercise would be to you.

"Now as to speaking before an audience, let me advise you to take for your model as a speaker, Abraham Lincoln, whose force in argument depended on clearness of statement. Such clearness may be united with the eloquence of Burke or Webster, but begin at least with precision of thought and statement, and look for eloquence afterwards. Do not at first 'Pay yourself with words,' as the French say."

After the President concluded, a secretary *pro tem.*, M. Davenport, '00, was elected, and a committee of three, Haskins, '98, Davenport, '00, and Daw, '01, reported with a constitution which was adopted with slight amendment. Two articles of the by-laws were adopted and then the meeting adjourned.



*Correspondence solicited from all who have been connected with the Institute.*

'88. Mr. Louis A. Ferguson, Course VI., has recently been promoted to the general superintendency of the Chicago Edison Co., 139 Adams Street, Chicago.

'89. Mr. C. H. Warner, Course VI., in business for himself as a consulting and supervising electrical engineer, has moved his office to 11 Broadway, New York City.

'90. Mr. W. P. Flint, Course II., has accepted a position with the Westinghouse Machine Co., in East Pittsburg, Pa.

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" " 3 x 4 yards	7.92
Dantsu 3½ x 2½ yards	8.58
" 4 x 3 yards	10.98
Smyrna, 3½ x 2½ yards	15.98
" 4 x 3 yards	22.48
Japanese, 3 x 2 yards	4.98

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'86. Mr. A. R. McKim, A.M., Course I., has opened an office as consulting architectural engineer, at 106 East 23d Street, New York.

'88. Mr. Richard Devens, Course II., has accepted a position as engineer for the Weber Railway Joint Co., of New York.

'89. Mr. Alfred W. French, Course I., has the important position of superintendent of manufacturing of the National Linseed Oil Co., which means general charge of the equipment and running of the mills.

'90. Mr. C. Halden, Jr., Course IV., has opened an office as architect at 1024 Tremont Building, Boston.

'91. Mr. Ernest A. Hersam, Course V., has been made assistant professor of Metallurgy of the University of California.

'91. Mr. C. P. Wetherbee, Course II., is at present a ship draughtsman at the Bath Iron Works, of Bath, Me.



Waddell, '99, should be able to put the shot. Why is he not persuaded to come out?

Ninety-nine men who are interested in the formation of a class polo team should speak to Kimball.

The ice polo team has begun practice and now numbers about eighteen men, who are trying for positions. Class teams are also in process of formation and should create much interest.

The Hare and Hounds runs recently have called out men who were noticeably well developed. In fact there was scarcely one on

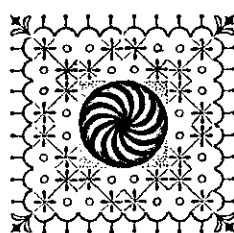
the December 18th run who would not have attracted attention in this respect, if seen with any but the others who ran. This should call favorable attention to the sport.

There is some talk of getting up a party of Tech. men to climb Mt. Washington on snow shoes in the mid-year recess. Incidentally, it is interesting to note that two prominent New York bankers do this every winter. Those interested should leave their names with the athletic editor at THE TECH office.

The Hare and Hounds run was omitted last Saturday (Christmas), for obvious reasons. The run of the Saturday before was at Wellesley Hills for the second time. The trail was laid around Lake Waban, but in order to catch an early train the Hounds left it and ran back with the Hares. The ground and weather conditions were the best so far. The next run will probably be from Clarendon Hills, through the Stony Brook reservation.

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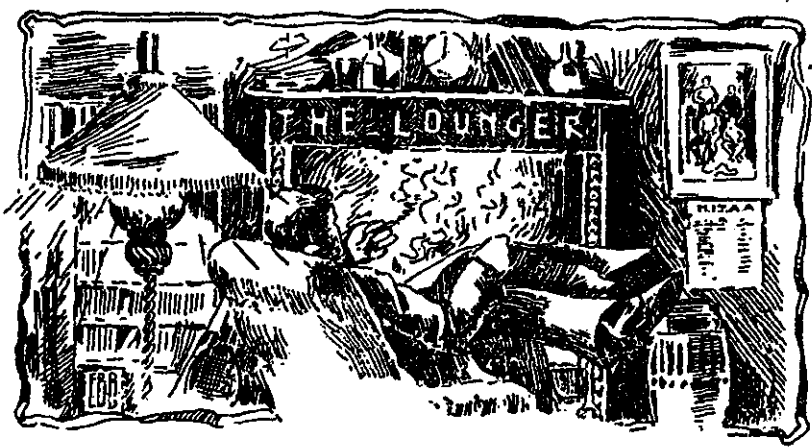
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THE Lounger has been re-reading "Walden," a book, as the Professor of English would probably remind his classes, written by Mr. Thoreau about the charms and the freedom of a woodland hermitage. He has been struck anew by the crudeness, the incompleteness of its philosophy. The Lounger understands Nature; he has lain on a hilltop at night gazing at the silent stars, and has felt the thrill of life, whirring, rustling, twittering life, in a meadow under the mid-summer sun. He does not undervalue the comprehension of this Nature; but to be wise, to be really a thinker, one must comprehend a deeper, subtler nature, Human Nature. And with Human Nature Thoreau had no sympathy. If he had possessed it his scorn of mankind might have lessened. He might have looked beneath the externals, and found even in the most humdrum lives ideals and aspirations which would have put his own selfish independence to the blush. He says in one of his charming moments of mysticism, "I long ago lost a hound, a bay horse, and a turtle dove, and am still on their trail." What does he mean? Faith, perhaps, and Strength, and Hope. Well, the Lounger believes there are men leading sordid, practical lives; engineers, perhaps, or draughtsmen, who are yet mounted upon their bay horse and following where the turtle dove leads. The hermit bent on self-culture is not the only—not even the true idealist. If a dreamer is not animated by love of his fellows in some way to make his visions serve mankind his dreams do not come from the ivory gate. The highest ideals are ennobled when they produce actual benefit to others, even of the slightest. The best aspirations are made better when they are shared, which is, perhaps, why the Lounger has permitted himself to write the above, which must appear sad drool to many of his readers.

The Lounger is greatly disappointed by the defeat of the scholar in politics. It would have been indeed

pleasant to see the professor of Wormology sitting upon the platform of the Grammar School, listening to the star scholars' recitations, pinching the little girls cheeks, rewarding the good boy with an apple. It would have been a delightful, though a somewhat violent innovation, to have had a man who knew anything about education on the Boston School Committee. But the fates and the Irish vote willed otherwise. And the cause, according to the Lounger's opinion, is not far to seek. When a man is very, very popular with the ladies, those of his own sex feel a certain jealousy which prompts them to vote against him. Against such a force the power of the Press, even the *Boston Herald* and THE TECH can do little.

The Lounger is always pleased when one of his friends in Technology achieves distinction in the world which lies without the portals of Rogers. Such has recently been the case with the comely maid who dispenses beakers and test tubes on the third floor of the Walker Building, just opposite the Margaret Cheney Room. "It seems strange to find oneself so suddenly famous," said petite Elsie to a *Post* reporter last evening, blushing, and insisting that she had done nothing worthy of notice," so reads a portion of an interview with the "vivacious little woman" in one of our great journals. The fact is, that the young lady not only engaged in a thrilling hand-to-hand struggle with a would-be bicycle thief, but finally took part in a tug-of-war contest with burglar No. 2, in which burglar No. 1 played the part of a rope, and in which considerable window glass was shattered. The Lounger is inclined to doubt the "blushing" part of the reporter's story; as to the rest, he can fully believe it, for he once tried to return some apparatus after the time was up, and his experience was much like that of the unfortunate bicycle thief.

"I hate that man," the rooster said,

Unto his cackling frau.

"I sympathize with you," she clucked;

"I'm laying for him now."

—Ex.

He loved his Dinah dearly,

And he sighed to her one night:

"Dinah, could you love me?"

And she whispered: "Dinah might."

They were married in the autumn;

When she blows him up at night

He realizes what it meant

When she whispered, "Dynamite."

—Ex.

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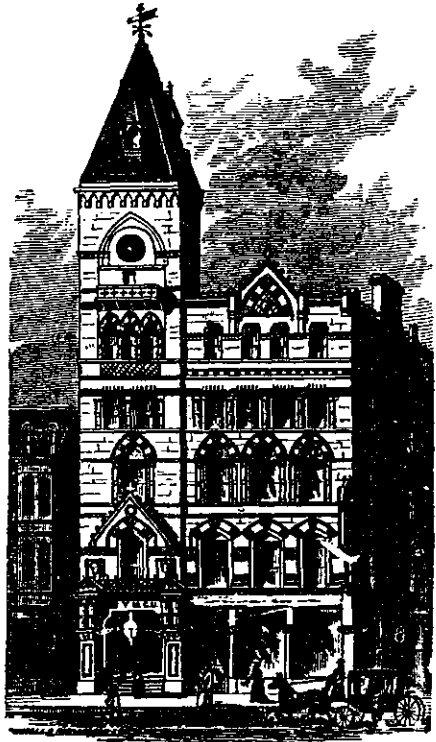
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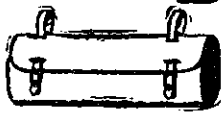
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